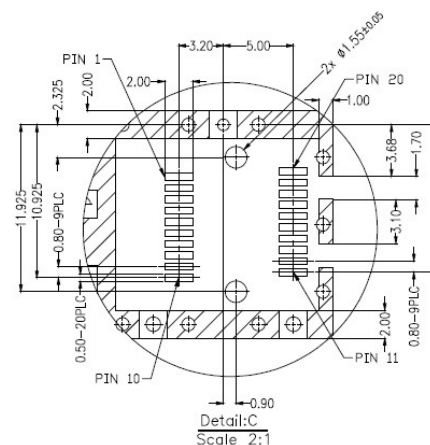
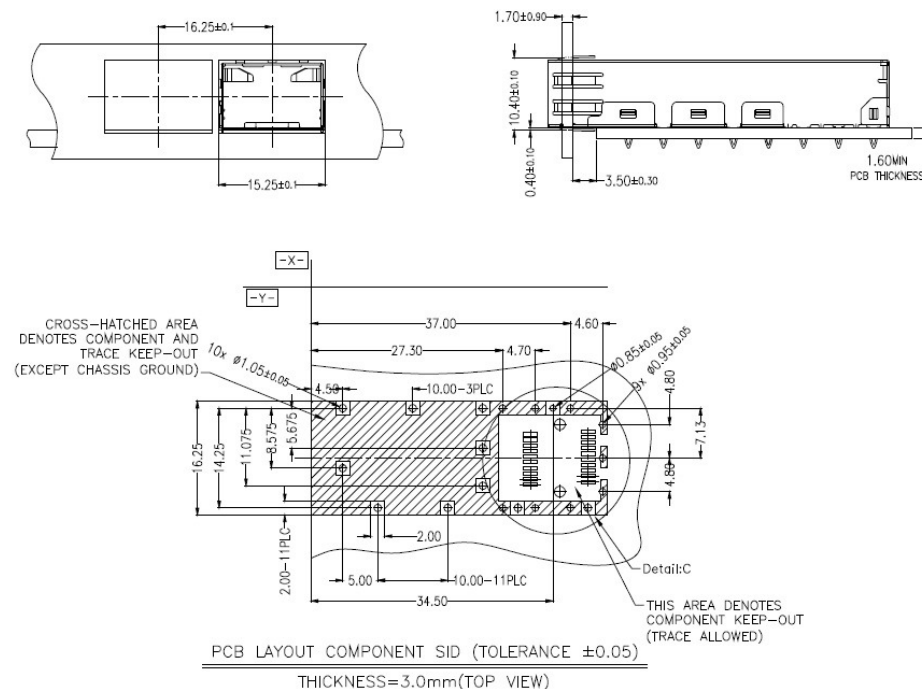
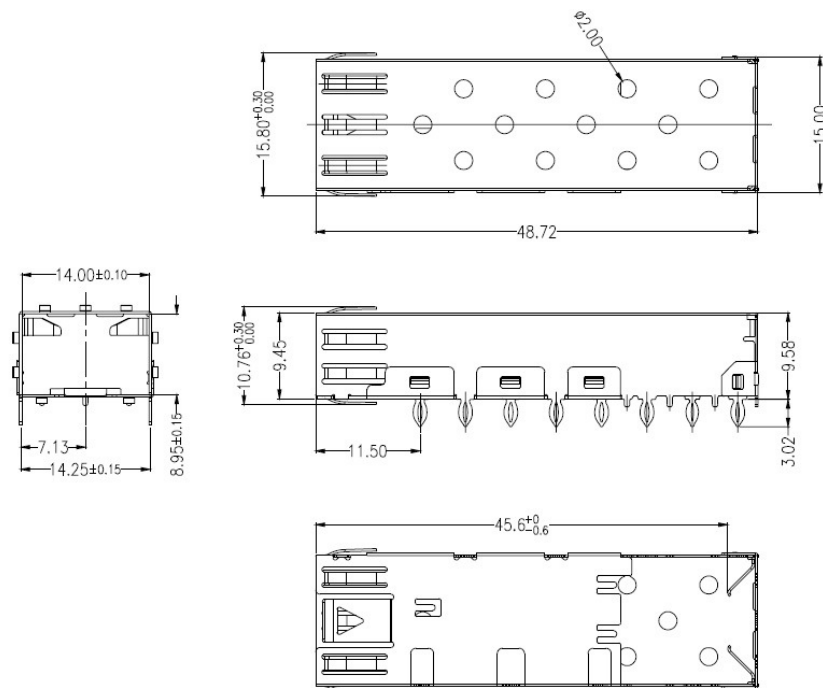




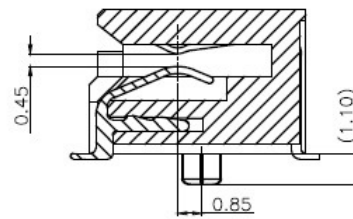
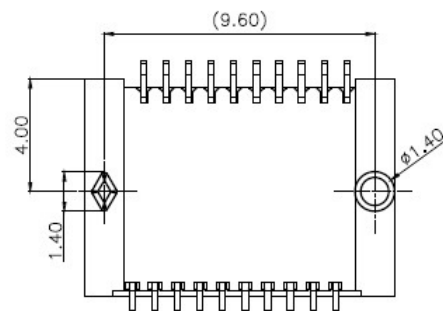
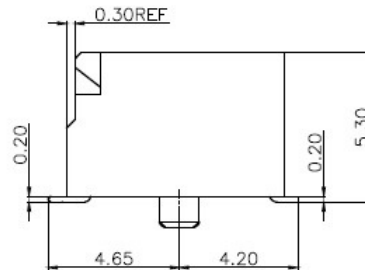
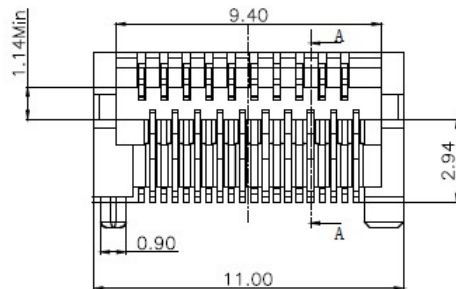
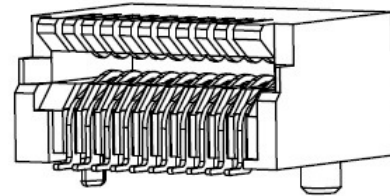
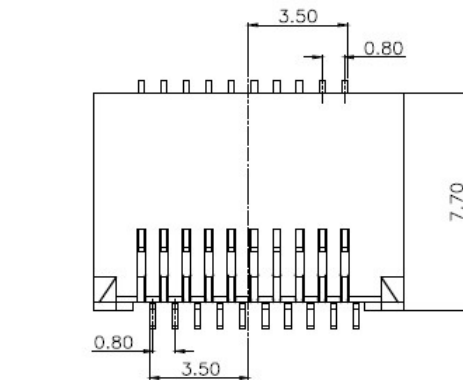
Contact: Copper alloy $t = 0.20\text{mm}$
Housing: High Temp. thermoplastic, glass filled UL94V0
Cage: Copper alloy $t=0.25\text{mm}$
Contact area plating gold 15u" min. over 50~80u" nickel
Durability: 100 cycles minimum
Insertion & extraction force: 40 N max. & 11.5N max.

1. Contact Resistance: 20 milli Ohms max. Initial
 2. Dielectric Voltage: 300 V AC for 1 minute
 3. Operating Temp.: -40 to 85 Deg. C
 4. Storage Temp.: -40 to 85 Deg. C
- RoHS Compliant

New Part code: SFP 1x1
Old Part code: SFP 006
RoHS Compliant

Rev.01 date 05/06/2020

PRAN ELECTRONICS PVT. LTD.



A-A

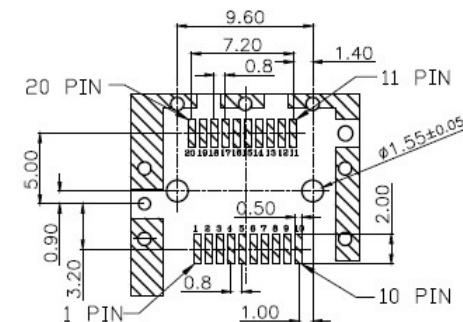
MATERIAL:

1. TERMINAL: COPPER ALLOY
 2. HOUSING: LCP UL 94V-0. COLOR: BLACK
- PLATING:
1. 1.27um MIN. Ni UNDERPLATING.
 2. 0.76um MIN. MATTE TIN PLATING ON SMT.
 3. 0.38um OR 0.76um MIN. GOLD PLATING ON CONTACT AREA.

MECHANICAL REQUIREMENT:

1. DURABILITY: 100 CYCLES MIN.
 2. INSERTION AND EXTRACTION FORCE: 40N MAX & 11.5N MAX
- ENVIRONMENTAL:

1. CONTACT RESISTANCE: 20 MILLIOHMS MAX INITIAL.
2. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC/MIN.
3. OPERATION: -40°C~+85°C.
4. STORAGE: -55°C~+105°C.
5. REFLOW SOLDERING TEMPERATURE: 255~265° MAXIMUM FOR 5~10 SECONDS.
6. ROHS COMPLIANT

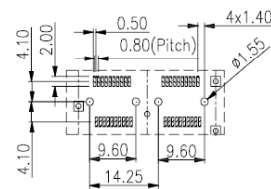
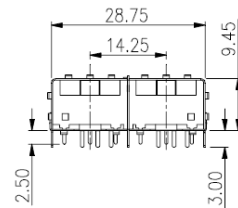
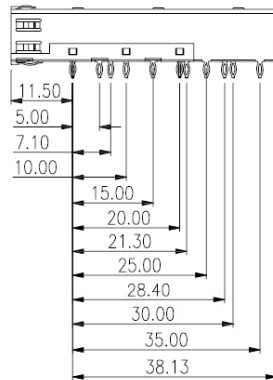
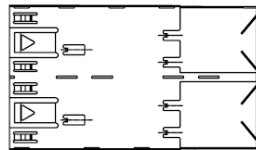
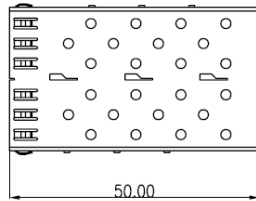


PCB LAYOUT

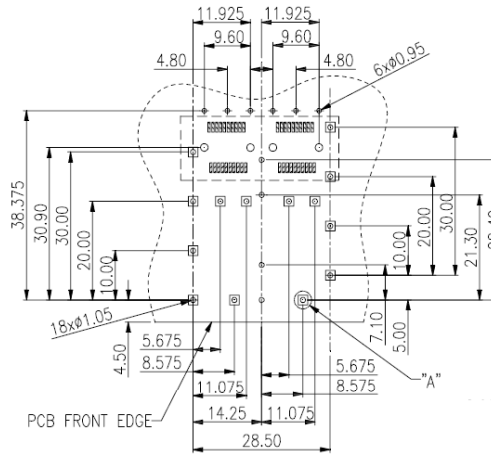
New Part code: SFP-20P-CON
 Old Part code: SFP 0083
 Description SFP 20 Pin connector
 RoHS Compliant

Rev. 01 date 05/06/2020

PRAN ELECTRONICS PVT. LTD.



CONNECTOR LAYOUT



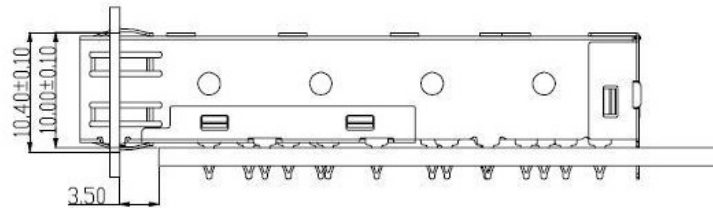
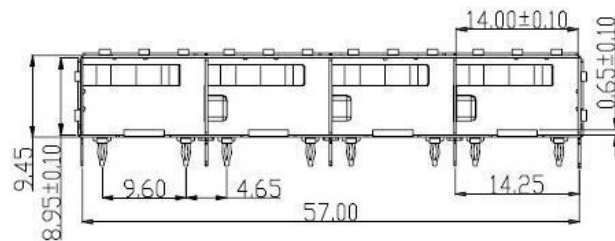
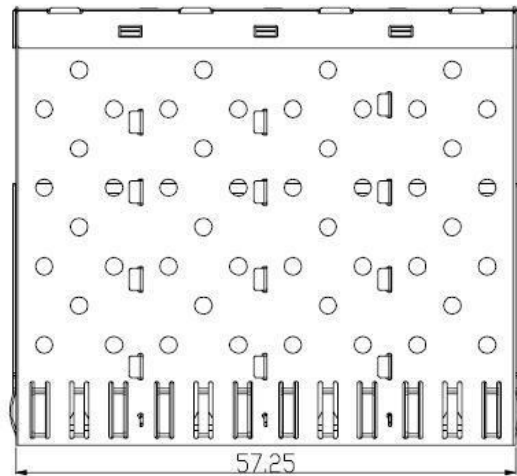
PCB LAYOUT THICKNESS=3.0mm (TOP VIEW)

Contact: Copper alloy $t = 0.20\text{mm}$
Housing: High Temp. thermoplastic, glass filled UL94V0
Cage: Copper alloy $t=0.25\text{mm}$
Contact area plating gold 15u" min. over 50~80u" nickel
Durability: 100 cycles minimum
Insertion & extraction force: 40 N max. & 11.5N max.

1. Contact Resistance: 20 milli Ohms max. Initial
 2. Dielectric Voltage: 300 V AC for 1 minute
 3. Operating Temp.: -40 to 85 Deg. C
 4. Storage Temp.: -40 to 85 Deg. C
- RoHS Compliant

PART CODE: SFP 1x2
Description SFP 1x2 CAGE
RoHS Compliant
REV 0 DATE 05/06/2020

PRAN ELECTRONICS PVT. LTD.



NOTE:

1,MECHANICAL:

SHIELD(CAGE) MATERIAL:

1. THICKNESS=0.25mm, COPPER ALLOY.

2. PLATED: NICKEL PLATED OVER COPPER

2, INSERTION AND EXTRACTION FORCE:40N MAX & 11.5 MAX

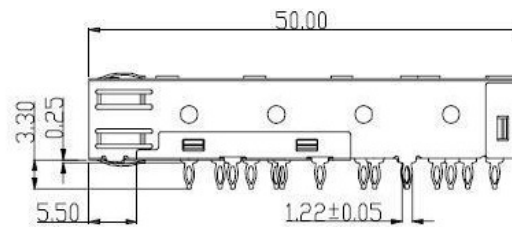
3, DURABILITY:100 CYCLES MIN

4, TEMPERATURE:

OPERATION: -55°C~ +105°C

STORAGE: -55°C~ +105°C

ROHS COMPLAINT



NEW Part Number: SFP 1x4
Old Part Number: SFP-014 CAGE
Description: SFP 1x4 CAGE

PRAN ELECTRONICS P. LTD.

TITLE SFP CAGE 1X4 PRESS-FIT

DRAWING NO. SFP-014

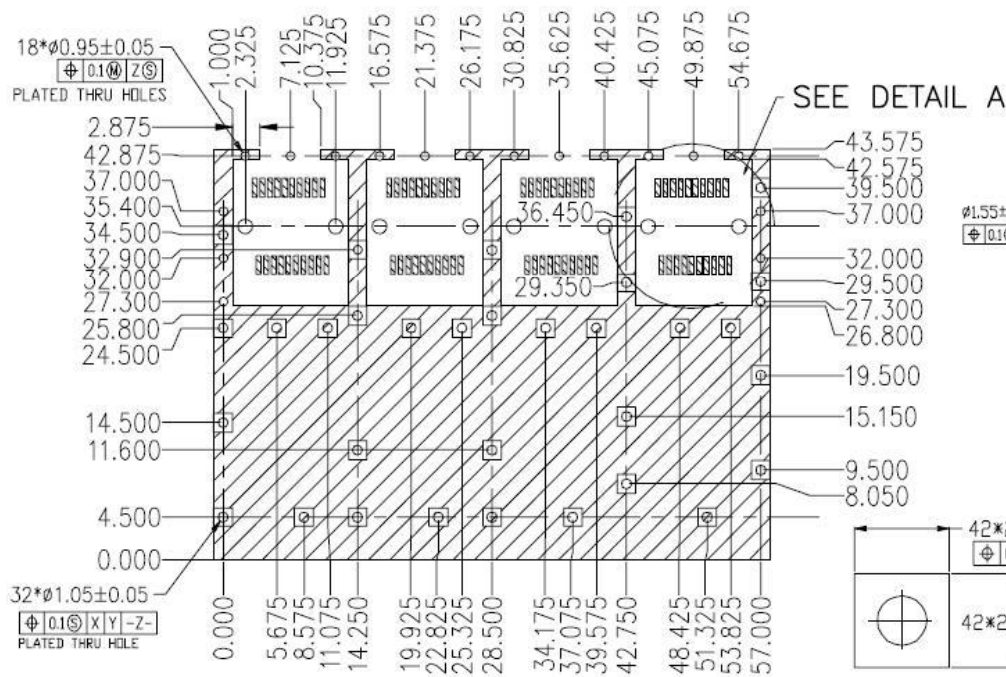
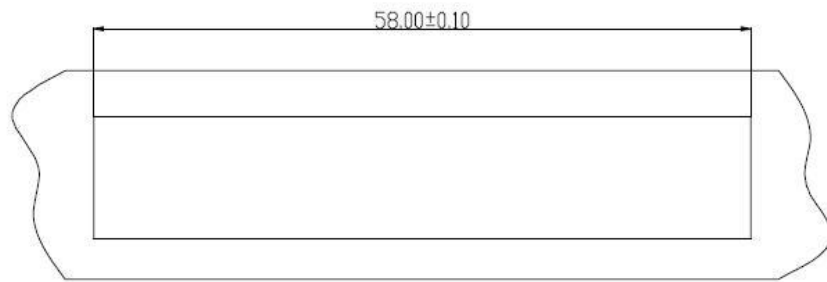
SIZE REV

PART NO. SEE NOTE

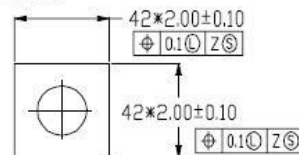
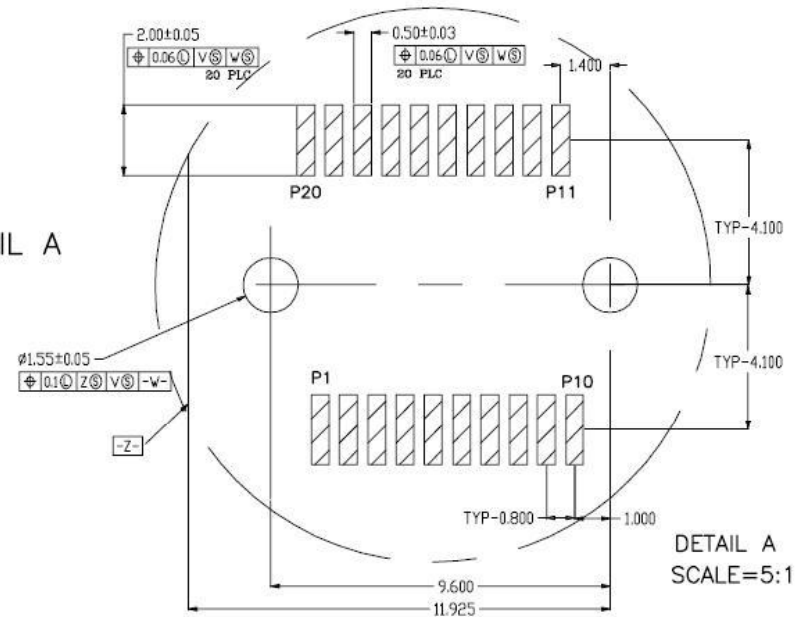
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DO NOT SCALE DRAWING

SHEET 1 OF 2



PCB LAYOUT (TOP VIEW)



SCALE=5:1

PRAN ELECTRONICS P. LTD.

TITLE SFP CAGE 1X4 PRESS-FIT

DRAWING NO. SFP-014

PART NO. SEE NOTE

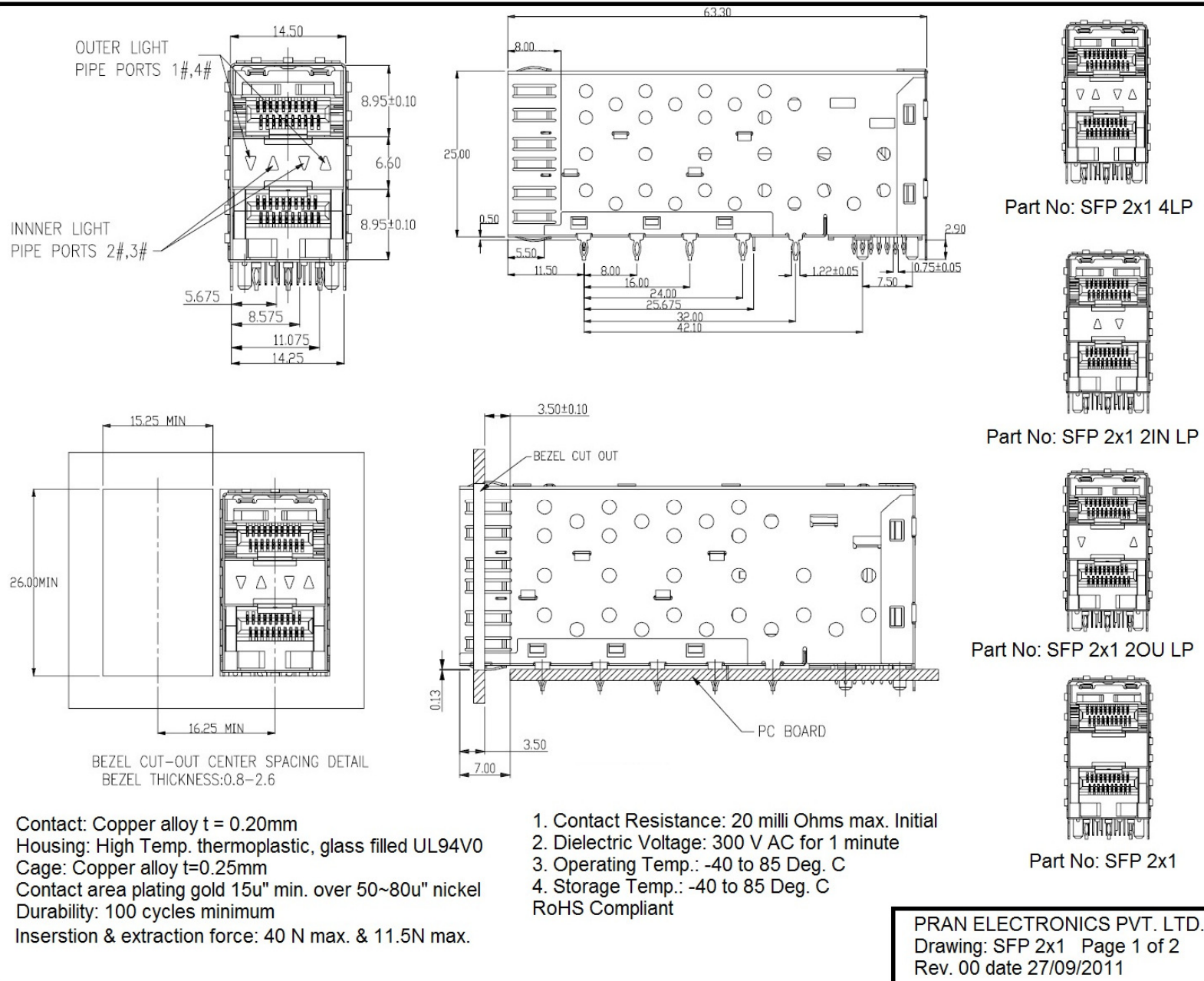
DO NOT SCALE DRAWING

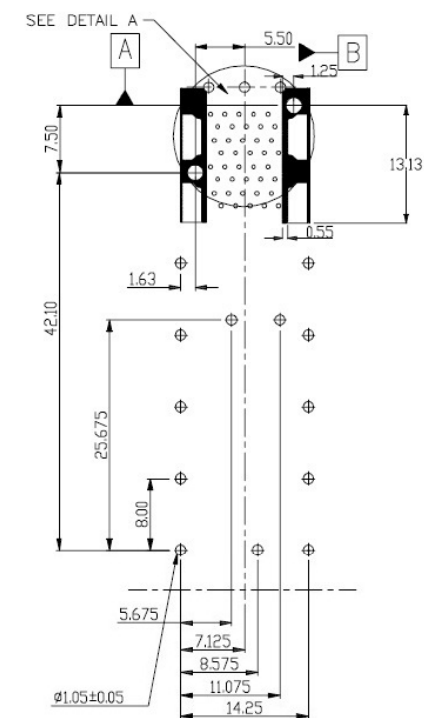
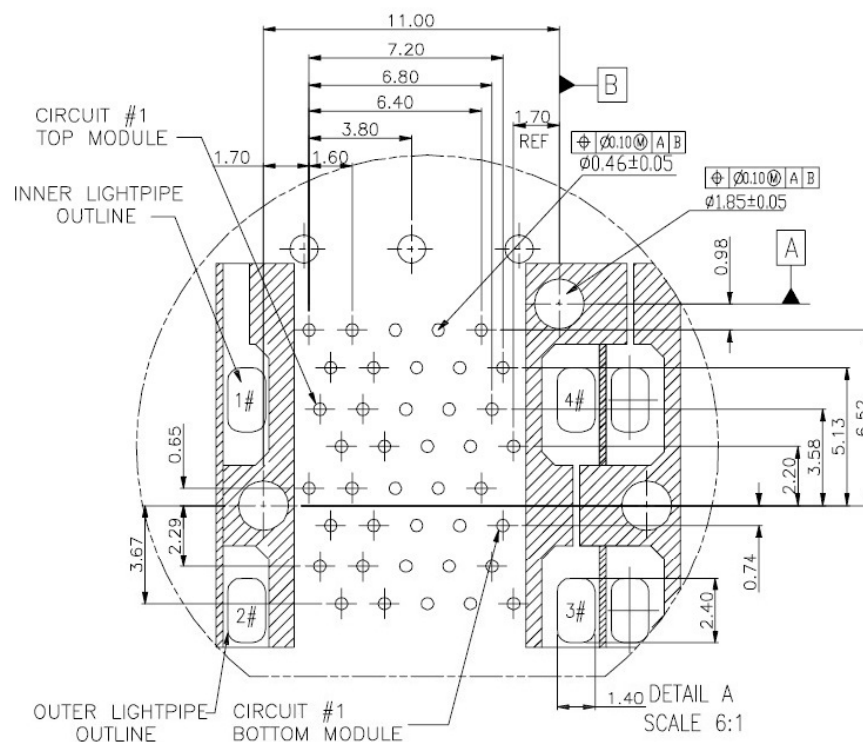
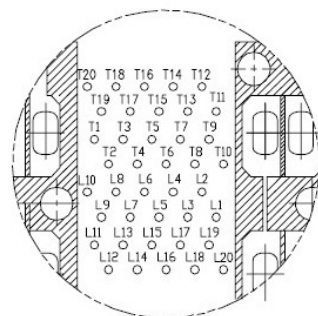
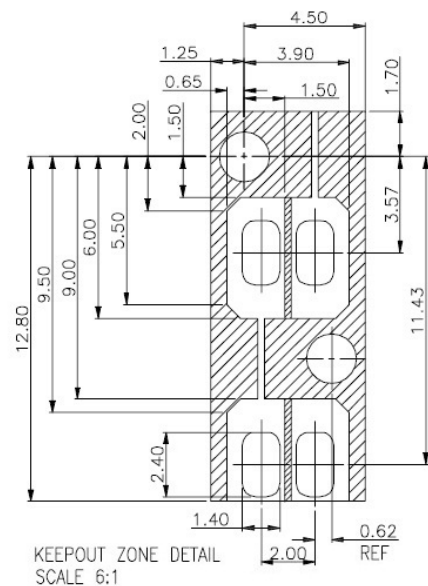
SIZE

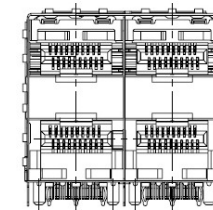
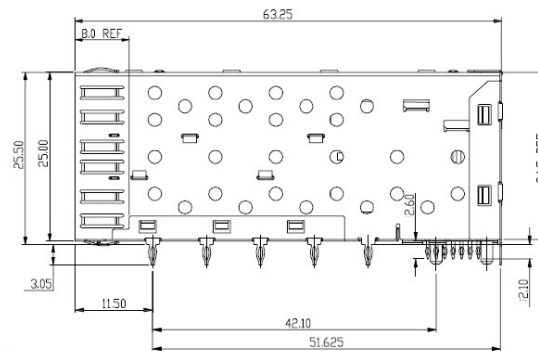
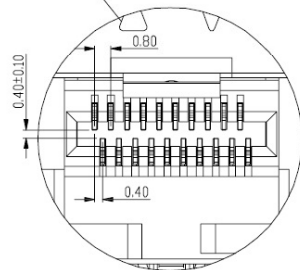
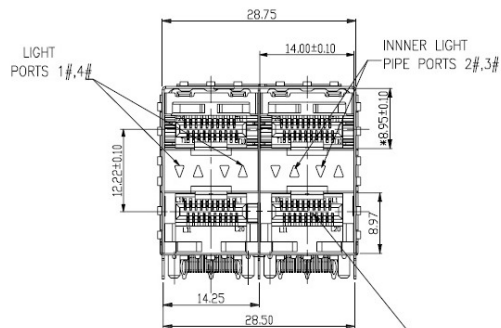
REV

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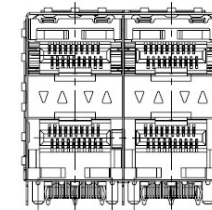
SHEET 2 OF 2



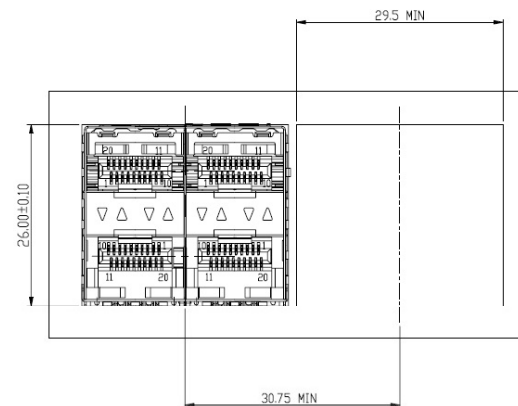




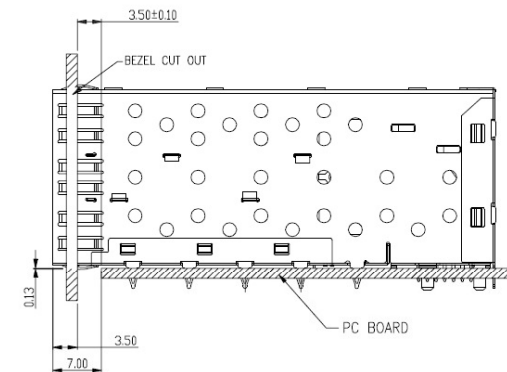
Part Code: SFP 2x2
Without light pipes



Part code: SPF 2x2 8L
with 8 light pipes

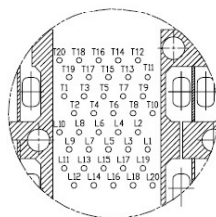
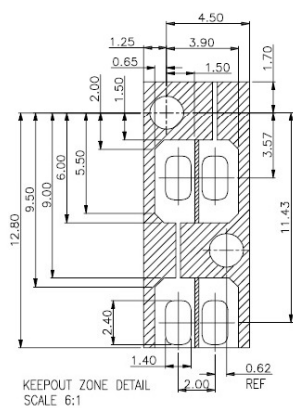
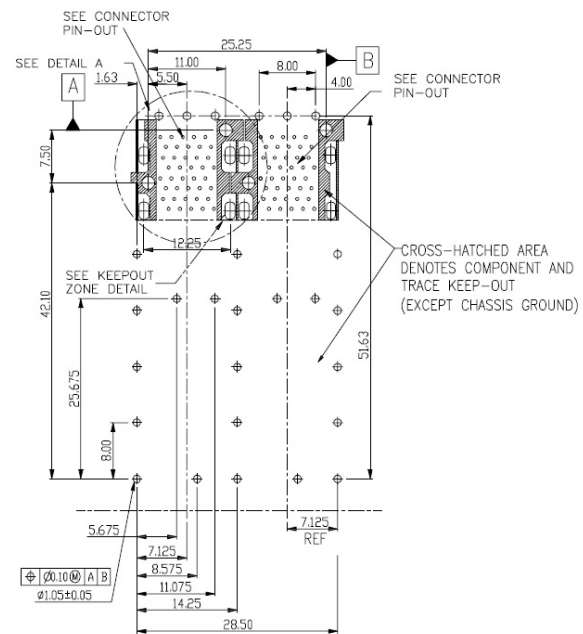
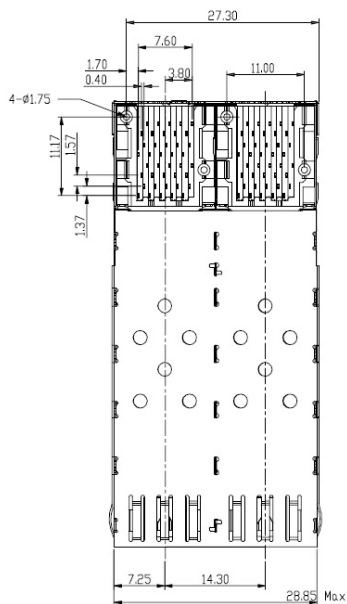


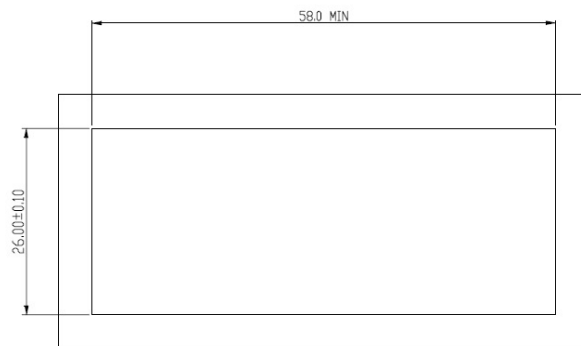
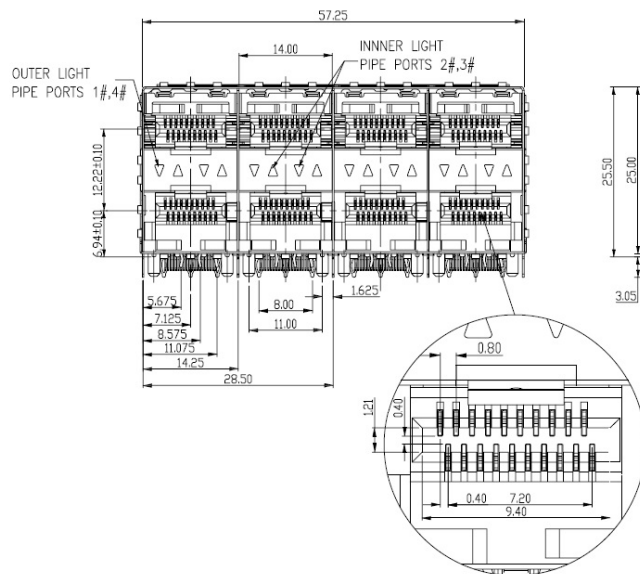
BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS: 0.8~2.6



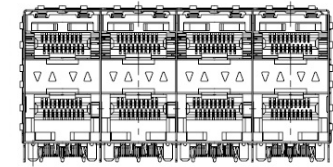
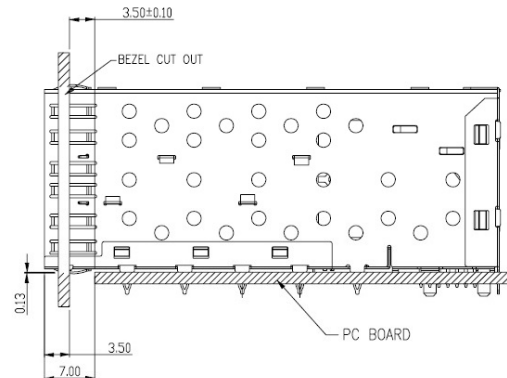
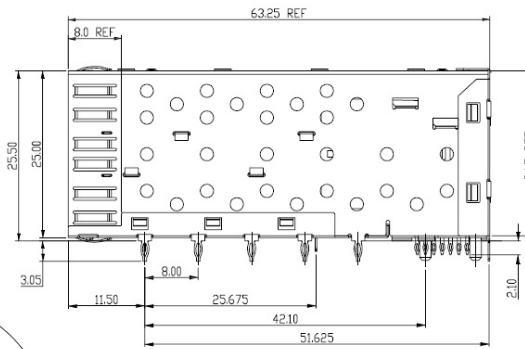
Contact: Copper alloy $t = 0.20\text{mm}$
Housing: High Temp. thermoplastic, glass filled UL94V0
Cage: Copper alloy $t = 0.25\text{mm}$
Contact area plating gold 15u" min. over 50~80u" nickel
Durability: 100 cycles minimum
Insertion & extraction force: 40 N max. & 11.5N max.

1. Contact Resistance: 20 milli Ohms max. Initial
 2. Dielectric Voltage: 300 V AC for 1 minute
 3. Operating Temp.: -40 to 85 Deg. C
 4. Storage Temp.: -40 to 85 Deg. C
- RoHS Compliant

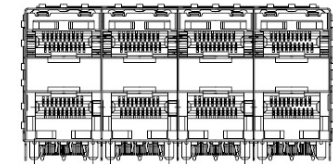




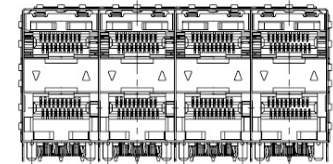
BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS:0.8-2.6



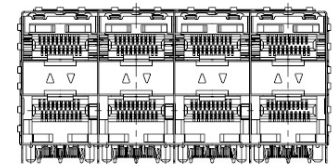
PART NUMBER SFP024L



PART NUMBER SFP024



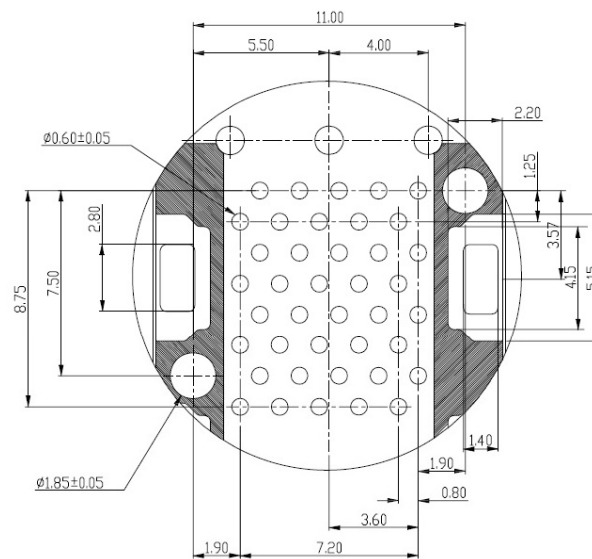
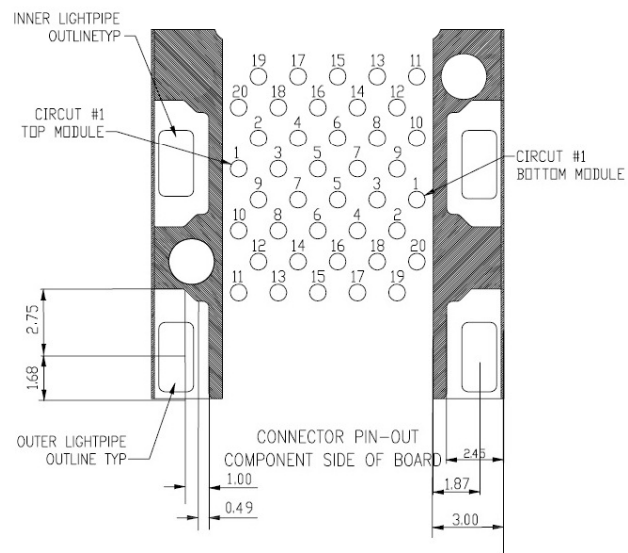
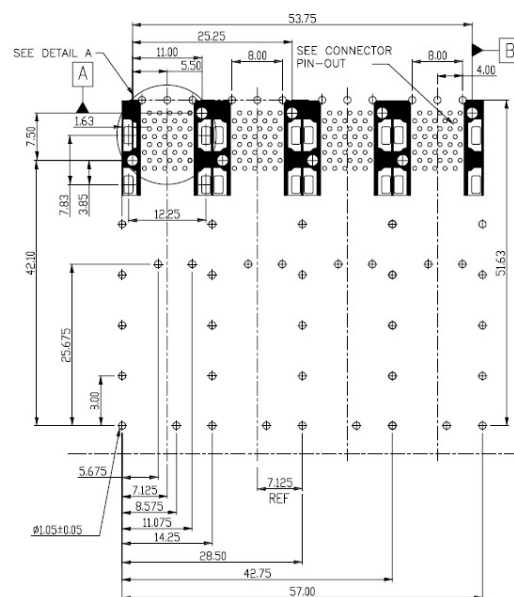
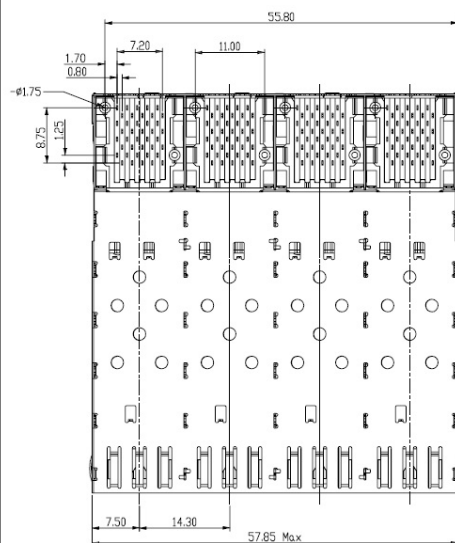
PART NUMBER SFP024L1



PART NUMBER SFP024L2

Contact: Copper alloy $t = 0.20\text{mm}$
Housing: High Temp. thermoplastic, glass filled UL94V0
Cage: Copper alloy $t=0.25\text{mm}$
Contact area plating gold 15u" min. over 50~80u" nickel
Durability: 100 cycles minimum
Insertion & extraction force: 40 N max. & 11.5N max.

1. Contact Resistance: 20 milli Ohms max. Initial
 2. Dielectric Voltage: 300 V AC for 1 minute
 3. Operating Temp.: -40 to 85 Deg. C
 4. Storage Temp.: -40 to 85 Deg. C
- RoHS Compliant



DETAIL A
SCALE 6:1